Brookhaven National Laboratory National Synchrotron Light Source		Number: LS-ESH-0012	Revision: A
		Effective: 3/26/02	Page 1 of 1
Subject: LINAC LOTO			
Prepared/ Approved By: M. Buckley	**Approved By:** A. Ackerman	Revision & Periodic Review Log	

*Approval Signatures on file with master copy.

Purpose: The LINAC Low Energy Beam Transport (LEBT) valve and the Low-Level RF S-Band Amplifier need to be safeguarded when performing radiological interlock tests for the VUV& X-Ray ring and the Linac/Booster.

Scope: This procedure is applicable for radiation protection purposes for VUV & X-Ray ring, and LINAC/Booster interlock testing. Utilizing this procedure will permit the LINAC modulators to remain ON and allow LINAC/Booster area to remain secured. Locking out the LINAC lockout switch will not permit these above needed functions for testing. Refer to procedure LS-ESH-0011, "Radiation Safety LOTO" for further details. The NSLS Safety Officer, Safety Engineer, Interlock Engineer, Quality Representative are the only personnel authorized to carryout this procedure.

Procedure:

1. Obtain 2 padlocks, 1 lock-tree, 2 Hold tags, and 2 cable-ties.
2. Inform the control room operator that the LEBT Valve and Low-level RF S-Band Amplifier will be Locked/Tagged.
3. Request the Operator to turn on the LINAC modulators and gun pulse (if not already on). Verify signal is obtained on BT3.
4. Close the LEBT valve by switching the disconnect switch to the OFF position. Verify that the signal on BT3 goes away.
5. Open the LEBT valve. Verify that the signal is obtained on BT3.
6. Turn OFF the Low-Level RF amplifier by flipping the switch to the OFF position. Verify that the signal at BT3 goes away.
7. Place a Lock-Tree on the lockout bracket for the Low-level RF amplifier with the switch in the OFF position. Place Lock/Tag on Lock-tree.
8. Close the LEBT valve and Lock/Tag the disconnect switch in the OFF position.
9. Request the Operator to turn off the Gun pulse and inform him/her that the LEBT valve and low-level RF amplifier is Locked/tagged.

* * *

The only official copy of this file is the one on-line in the NSLS ESH website. Before using a printed copy, verify that it is the most current version by checking the document issue date on the NSLS ESH website.